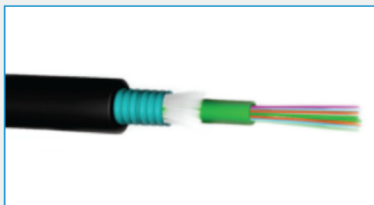
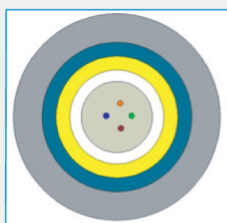


UC^{FIBRE™} UTM Series

2-12 Cores, Light Armoured, Uni-tube Cable, LSZH Sheath



Overview

UTM Series is excellent robust installations that enables flexible bending radius but still provide adequate mechanical protection in exposed installation environment, ie factories, outside buildings facilities.

Additional Options

- PE Sheath (UT Series)
- Steel Wire Braiding for armouring protection
- UV Resistance

Features

- **Unitube:** thermoplastic material, containing up to 12 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** Aramid yarns.
- **Armour:** corrugated steel tape.
- **Outer Sheath:** LSZH in accordance to IEC 61034, IEC 60754-1 & 2.
- **Suitable for Duct Buried or Indoor/Outdoor Installation**

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	220N	$\Delta I/I$ fibre \leq 0.6%, $\Delta\alpha$ reversible
Tension opération max	IEC 60794-1-2-E1	800N	$\Delta I/I$ fibre \leq 0.2%, $\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	1500N / 800N / 100mm	$\Delta\alpha \leq$ 0.3 dB, cable integrity
Temperature range	IEC 60794-1-2-F1	-20 -> +70°C	$\Delta\alpha \leq$ 0.3 dB /km

*values for single-mode fibres, all optical measurements performed at 1550 nm
values for multi-mode fibres, all optical measurements performed at 1300 nm

Technical data

No. of Fibres	2, 4, 6, 8, 12		
Design	1x12		
Buffer Diameter - Ø	mm	3.0 nominal	
Cable Diameter (A x B)	mm	1.5 nominal	
Cable Weight Approx.	mm	8.1± 0.5	
Cable Weight	kg / km	92	
Max installation tension	N	1200	
Min. bending radius	mm	Without Tension 10 × Cable-Ø	Under Maximum Tension 20 × Cable-Ø
Temperature range	°C	Installation -10 -> +60;	Transport. & Storage -40 -> +70 ; Operation -20 -> +70;
Flame Retardant	IEC 60332-3-24		

Ordering Information

UC^{FIBRE™} UTM SERIES FO Cable part numbers are made up using the table below.

The part number always starts with the letters UTM to denote that it is a UC^{FIBRE™} UTM SERIES FO Cable. This is followed by 3 numbers which symbolises the core quantity and then 2 letters to denote the fibre type.

Example of a UC^{FIBRE™} UTM SERIES FO Cable part number:

UTM006M2

The above example describes an OM2 (50um, Orange Sheath) UC^{FIBRE™} UTM SERIES FO Cable, with 6 cores.

UTM SERIES	CORE QUANTITY	FIBRE TYPE
UTM	XXX	XX
	002 - 2 cores 004 - 4 cores 006 - 6 cores 008 - 8 cores 012 - 12 cores	SM - SINGEMODE, G652D, 9um (yellow sheath) M1 - OM1, 62.5um (orange sheath) M2 - OM2, 50um (orange sheath) M3 - OM3, 50um (aqua sheath) M4 - OM4, 50um (aqua sheath)